

IN THE CLAIMS

Please replace all previously pending claims with the listing of claims set forth below:

1. (Currently Amended) Data arrangement for dental-care environment, which comprises at least one dental-care-related device (U, T) and a data system (S), wherein the dental-care-related device is a dental unit (U) comprising an instrument table, the dental unit (U) being configured to control operation of at least one dental-care instrument (X), and wherein a data transmission communication has been arranged between the dental unit (U) and the data system (S); and wherein the arrangement comprises a means for automatically identifying a predetermined event, the predetermined event being taking said at least one dental-care instrument (X) to use from said instrument table, and a means for automatically transmitting information related to said event to the data system (S) as a response to identifying the predetermined event, said predetermined event being followed by operating said at least one dental-care instrument (X), wherein said information includes at least one value of at least one operating parameter of said at least one dental-care instrument (X) and a means for storing said information in the data system (S) item-specifically, said item being at least one of the following: the said dental care instrument, a patient, a certain tooth of a patient, and/or a certain tooth surface of a patient.
2. (Previously Amended) Arrangement according to claim 1, wherein the predetermined event is followed by a treatment event the target of which being a patient; and the means for storing have been arranged to store information related to the treatment event patient-specifically.
3. (Currently Amended) Arrangement according to claim 2, wherein ~~the target of the treatment event said item~~ is a certain tooth and/or a certain tooth surface of a patient.
4. (Currently Amended) Arrangement according to claim 1, wherein ~~the predetermined event is followed by operating said at least one dental-care instrument (X); and~~

the means for storing have been arranged to store said information instrument-specifically.

5. (Cancelled)
6. (Previously presented) Arrangement according to claim 1, wherein the dental unit (U) comprises means for receiving information related to the predetermined event.
7. (Cancelled)
8. (Cancelled)
9. (Currently Amended) Arrangement according to claim 1, wherein the information related to the predetermined event further comprises at least one of the following data: data of the type of dental-care instrument (X), identification data of the dental-care instrument (X), maintenance status data of the dental-care instrument (X), sterilisation status data of the dental-care instrument (X), point of time of sterilisation of the dental-care instrument (X), data of connecting the dental-care instrument (X) to the dental unit (U), data of taking the dental-care instrument (X) to use in connection with a treatment event, and/or data of the point of time the dental-care instrument (X) was taken to use, ~~data of~~ and wherein said at least one operation parameter values of the dental-care instrument (X) during the dental treatment event ~~comprising~~ comprises data of operation time, rotation speed and/or power used, data of disconnecting the dental-care instrument (X) from the dental unit (U), data of disconnection time of the dental-care instrument (X) from the dental unit (U), data of performing a certain treatment procedure, and/or data of the point of time of performance of a certain treatment procedure.
10. (Previously Presented) Arrangement according to claim 1, wherein the means for identifying the predetermined event comprise an electronic reader device.
11. (Cancelled)
12. (Cancelled)
13. (Previously Presented) Arrangement according to claim 1, wherein the data system (S) comprising also a user interface and a display means connected with it; and the data system (S) is configured for transmitting to the display means information stored in the data system (S) and/or messages based on said information.

14. (Previously Presented) Arrangement according to claim 1, wherein the data system (S) is configured for transmitting to the dental unit (U) control data relating to a treatment plan and/or at least one dental care instrument (X); and the dental unit (U) has been arranged to be controlled according to said control data as a response to receiving said control data.

15. (Currently Amended) Method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one dental unit (U) configured to control operation of at least one dental-care instrument (X), and a data system (S), wherein a data transmission communication is formed between the dental unit (U) and the data system (S); a predetermined event is identified in the dental- unit (U), the predetermined event being taking said at least one dental-care instrument (X) to use; from an instrument table, said predetermined event being followed by operating said at least one dental-care instrument (X); information related to the identified event is sent from the dental unit (U) to the data system (S), said information including at least one value of at least one operating parameter of said at least one dental-care instrument (X); said information is received in the data system (S); and said information is stored in the data system (S) item-specifically, said item being at least one of the following: the said dental care instrument, a patient, a certain tooth of a patient, and/or a certain tooth surface of a patient.

16. (Currently Amended) Method according to claim 15, wherein ~~the predetermined event is followed by an operation targeted to a patient, a patient's tooth and/or its certain surface; and~~ the information related to said operation is stored patient-specifically.

17. (Currently Amended) Method according to claim 15, wherein ~~the predetermined event is followed by operating the at least one dental-care instrument (X); and~~ the information related to operation of said at least instrument is stored instrument-specifically.

18. (Cancelled)

19. (Previously Presented) Method according to claim 15, wherein an individual instrument is identified;
the identification data is compared with a treatment plan of a patient who is the object of a treatment procedure and/or with status data of the individual instrument in question; it is detected if instrument (X) is unsterilised or does not correspond the treatment plan; and
the said detection is expressed as a response to detecting an unsterilised instrument or an instrument not corresponding the treatment plan.

20. (Previously Presented) Method according to claim 15, wherein information related to the predetermined event is stored in a patient database of the dental clinic data system (S).

21. (Previously Presented) Method according to claim 15, wherein
as a response to identifying taking the at least one dental-care instrument (X) in use, data of taking said instrument (X) to use is transmitted and stored in the data system (S) instrument-specifically and patient-specifically,
and further
data of a dental procedure performed by said instrument (X) is transmitted and stored in the data system patient-specifically.

22. (Cancelled)

23. (Currently Amended) Dental-care-related device for performing dental-care events in a dental-care environment, wherein it comprises
means for forming a data transmission communication with a data system (S) for the dental-care environment;
means for automatically identifying a predetermined event; and
means for automatically transmitting information related to the identified event to the data system (S) as a response to identifying the predetermined event, wherein the dental-care-related device includes a dental unit (U) configured to control operation of at least one dental-care instrument (X) and the predetermined event is taking said at least one dental-care instrument (X)

to use, and wherein said information includes at least one value of at least one operating parameter of said dental unit, and wherein the dental-care related device further comprises means for storing information in the data system (S) item-specifically.

24. (Cancelled)

25. (Currently Amended) Software product for a data arrangement for dental-care environment, the dental-care environment comprising at least one device (U, T) related to dental treatment and a data system (S), which software product comprises a program stored on program storage means and being readable by a computer, wherein it comprises
a first routine by which a data transmission communication between the dental-care-related device (U, T) and the data system (S) is formed;
a second routine by which a predetermined event is automatically identified in the dental-care-related device (U, T); and
a third routine by which information related to the identified event is automatically transmitted from the dental-care-related device (U, T) to the data system (S) as a response to identifying the predetermined event,
wherein at least one of the devices (U, T) related to dental treatment is a dental unit (U) configured to control operation of at least one dental-care instrument (X), and the predetermined event is taking said at least one dental-care instrument (X) to use, and wherein said information includes at least one value of at least one operating parameter of said dental unit.

26. (Previously Presented) Software product according to claim 25, wherein said program comprises a routine for running a method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one dental unit (U) configured to control operation of at least one dental-care instrument (X), and a data system (S), wherein
a data transmission communication is formed between the dental unit (U) and the data system (S);
a predetermined event is identified in the dental- unit (U), the predetermined event being taking said at least one dental-care instrument (X) to use,;

information related to the identified event is sent from the dental unit (U) to the data system (S); said information is received in the data system (S); and said information is stored in the data system (S) item-specifically.

27. (Currently Amended) Software product in a data arrangement for dental-care environment, the dental-care environment comprising at least one device (U, T) related to dental treatment and a data system (S), which software product comprises a program stored on program storage means and being readable by a computer, wherein it comprises a first routine by which information related to a predetermined event is automatically received in the data system from the dental-care-related device (U, T); and a second routine by which said information is stored in the data system (S) so that it may be linked to the object of the event, wherein at least one of the devices (U, T) related to dental treatment is a dental unit (U) configured to control operation of at least one dental-care instrument (X), and the predetermined event is taking said at least one dental-care instrument (X) to use, and wherein said information includes at least one value of at least one operating parameter of said dental unit.

28. (Previously Presented) Software product according to claim 27, wherein said program comprises a routine for running a method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one dental unit (U) configured to control operation of at least one dental-care instrument (X), and a data system (S), wherein a data transmission communication is formed between the dental unit (U) and the data system (S); a predetermined event is identified in the dental- unit (U), the predetermined event being taking said at least one dental-care instrument (X) to use,; information related to the identified event is sent from the dental unit (U) to the data system (S); said information is received in the data system (S); and said information is stored in the data system (S) item-specifically.